

# INTERNATIONAL SEARCH REPORT

IB2004/050889

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H03M1/10

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H03M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, IBM-TDB, INSPEC

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

| Category * | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
|------------|---|-----------------------|
| X          | US 6 130 632 A (OPRIS ION E)<br>10 October 2000 (2000-10-10)<br>abstract<br>figures 3,5<br>column 2, line 5 - line 20<br>column 4, line 37 - line 63<br>column 5, line 14 - line 23<br>column 5, line 53 - column 6, line 44<br>column 9, line 32 - line 46 | 1-4, 7-13             |

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

6 September 2004

Date of mailing of the international search report

21/09/2004

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| Patent document<br>cited in search report |   | Publication<br>date | Patent family<br>member(s) |             | Publication<br>date |
|---|---|---------------------|----------------------------|-------------|---------------------|
| US 6130632                                | A | 10-10-2000          | DE                         | 19916879 A1 | 21-10-1999          |